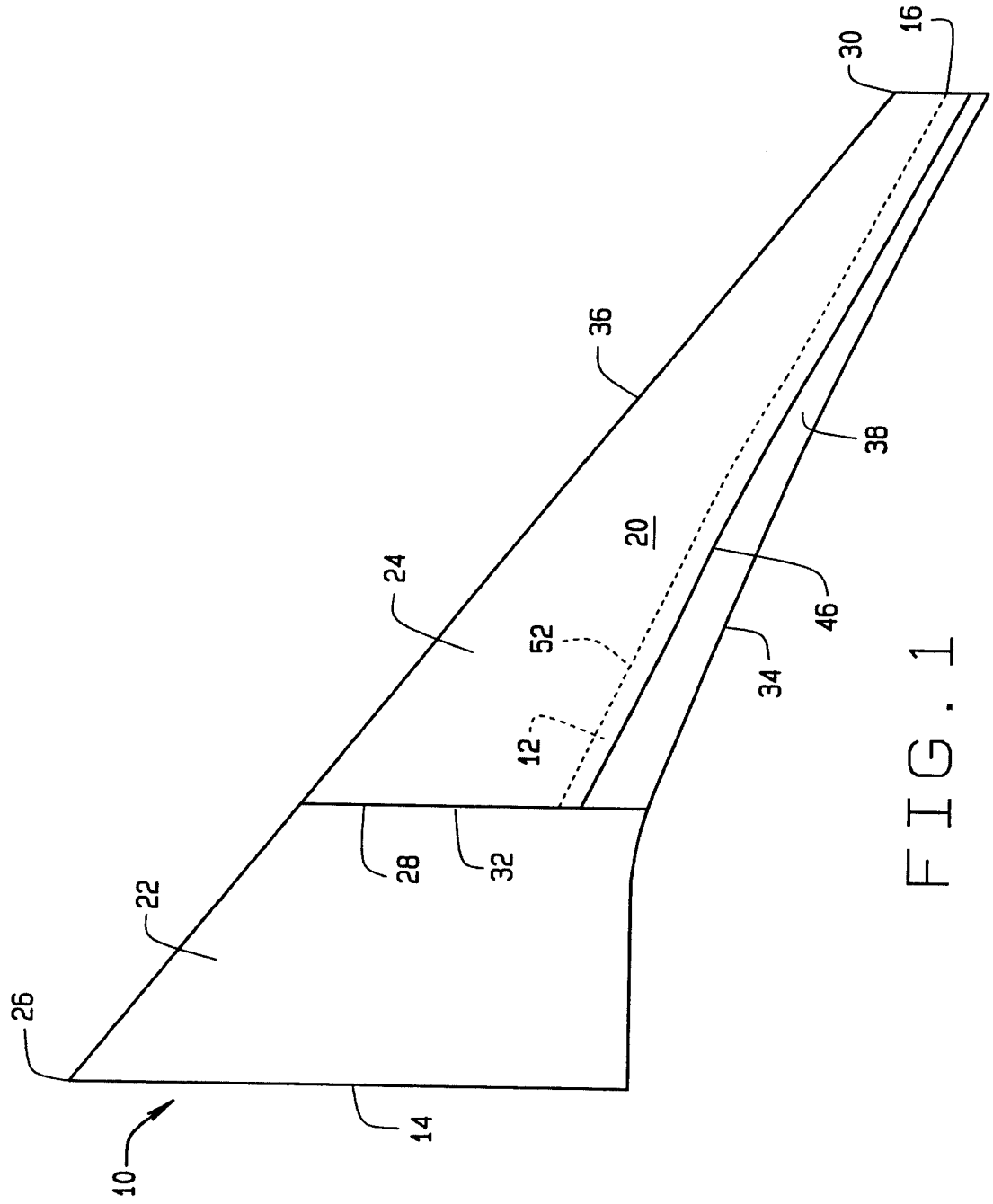

FIG. 1

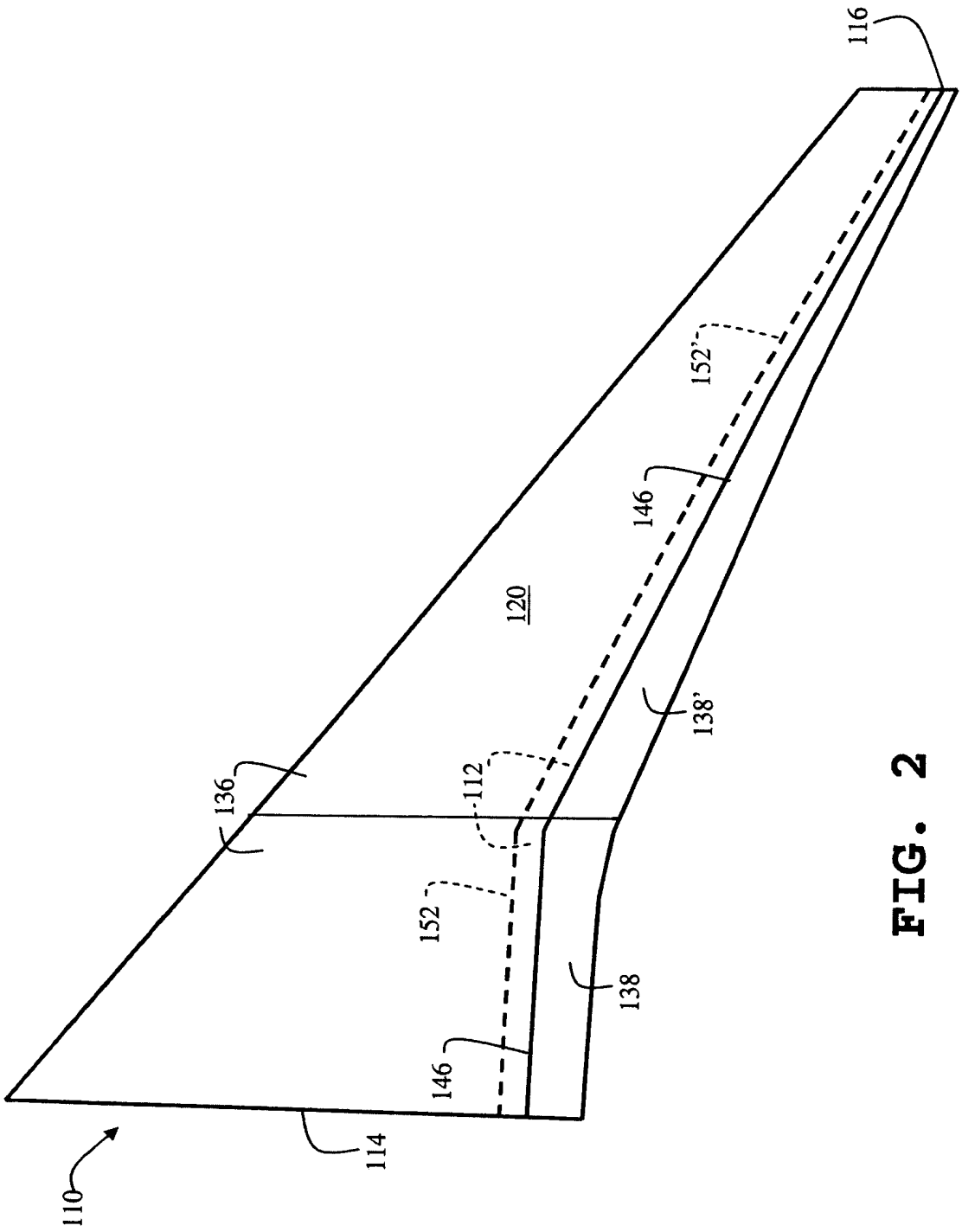

FIG. 2

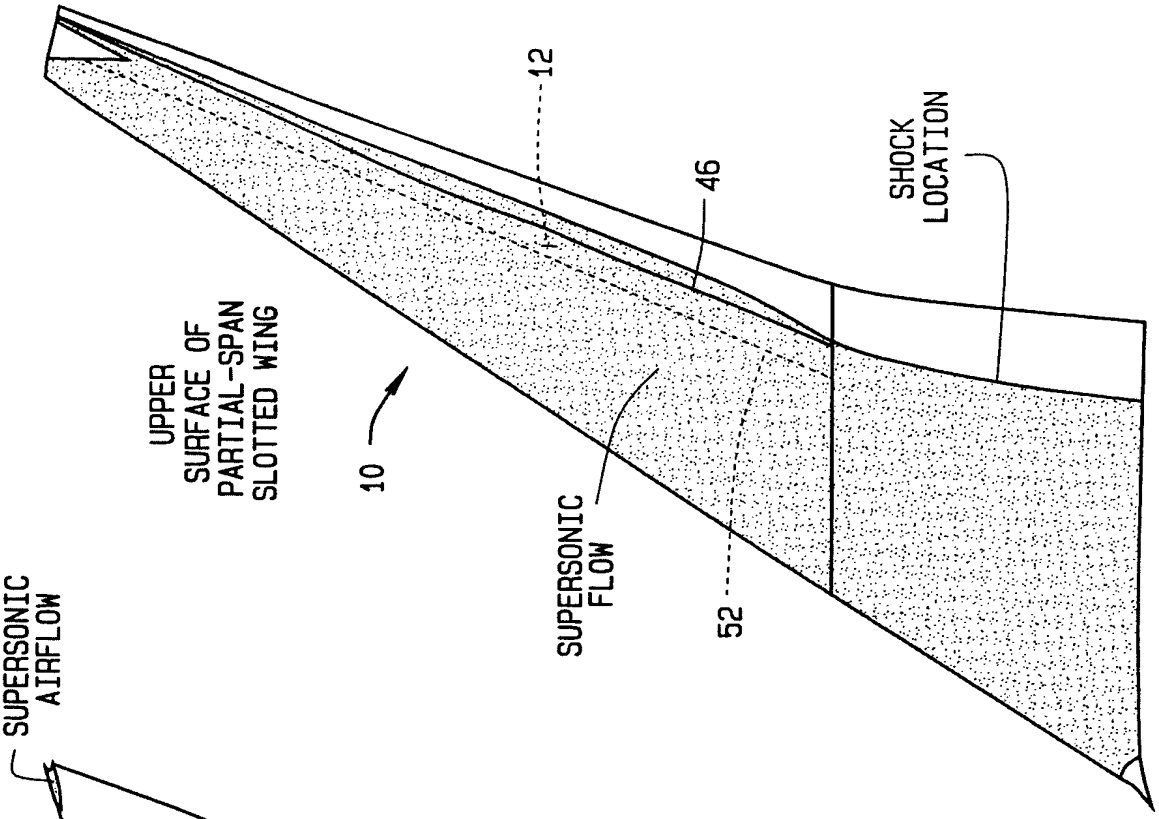
12
46
SHOCK LOCATION
UPPER SURFACE OF PARTIAL-SPAN SLOTTED WING
10
SUPERSONIC FLOW
52

FIG. 4

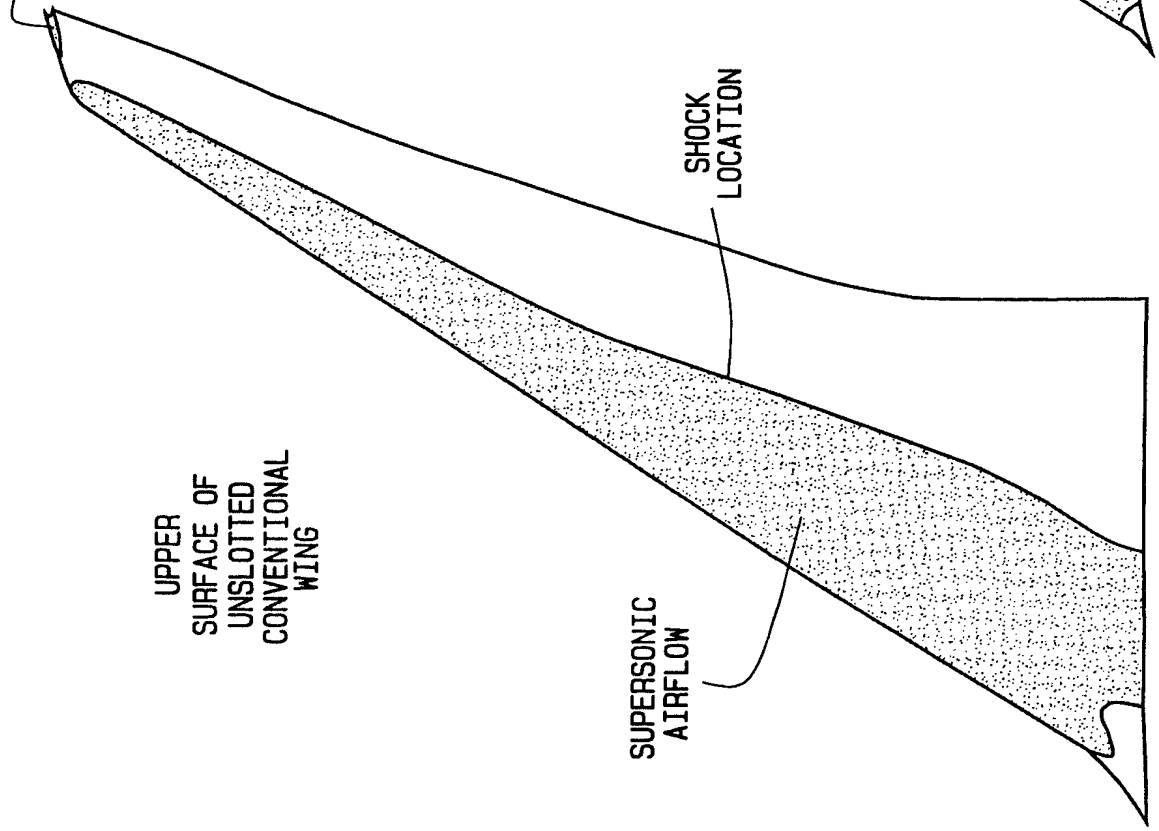
SUPERSONIC AIRFLOW
SHOCK LOCATION
UPPER SURFACE OF UNSLOTTED CONVENTIONAL WING
SUPERSONIC AIRFLOW

FIG. 3

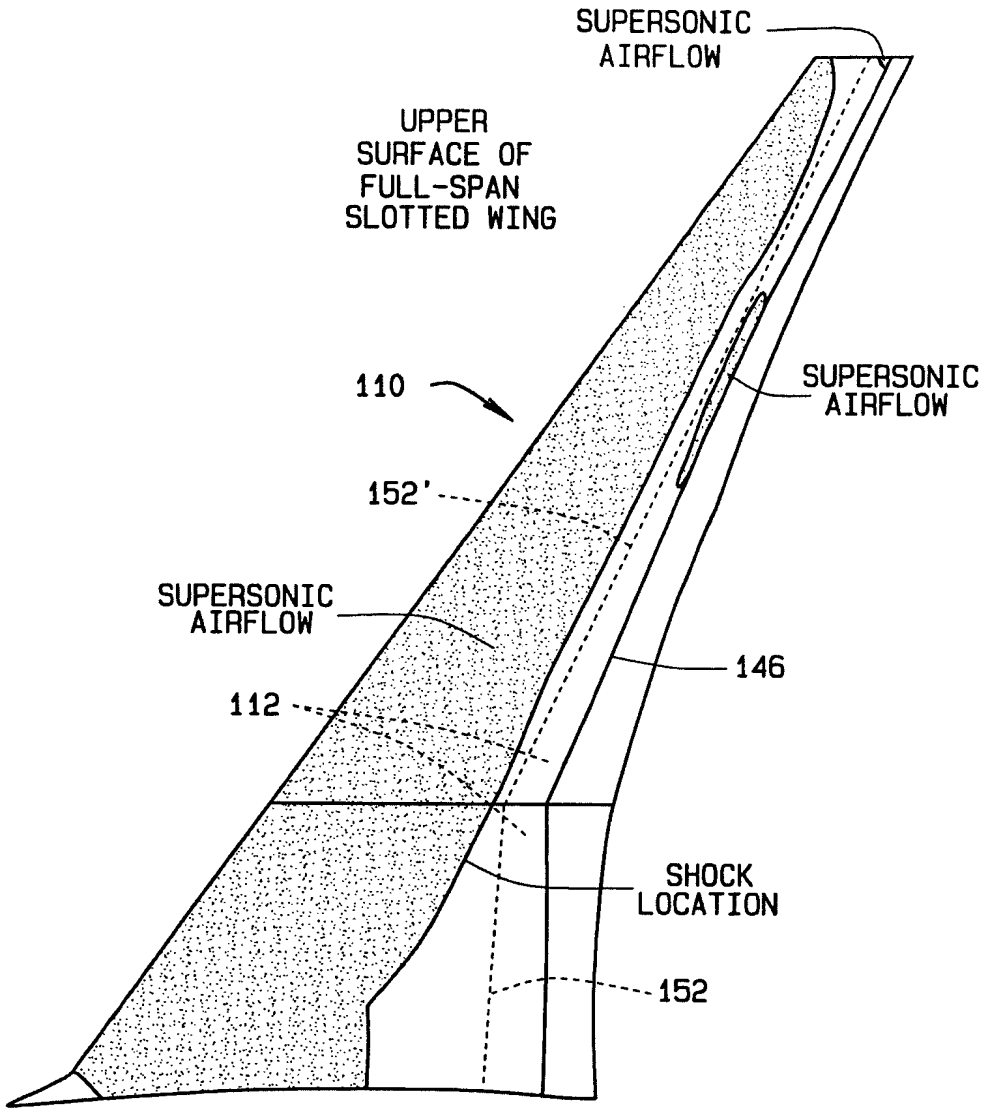
SUPERSONIC AIRFLOW
UPPER SURFACE OF FULL-SPAN SLOTTED WING
110
152'
SUPERSONIC AIRFLOW
SUPERSONIC AIRFLOW
146
112
SHOCK LOCATION
152

FIG. 5

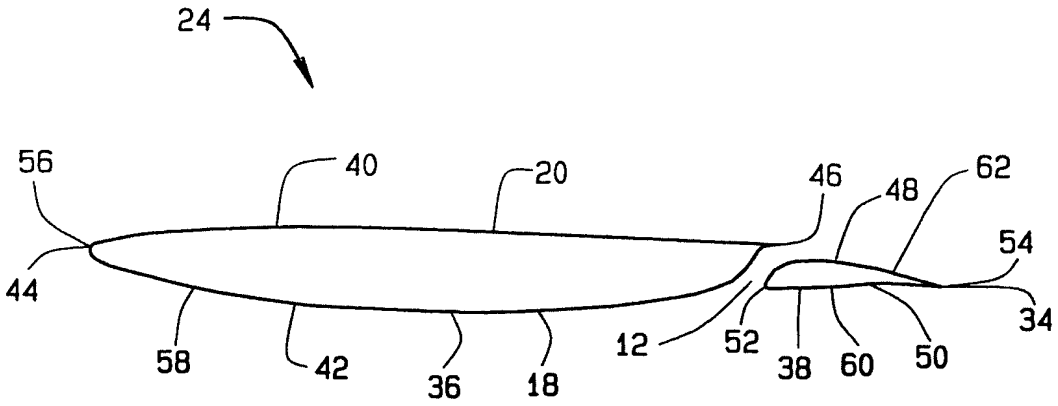

FIG. 6

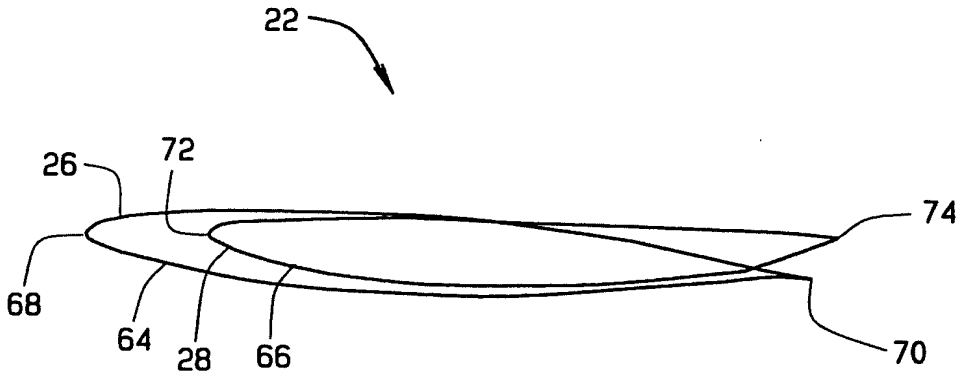

FIG. 7

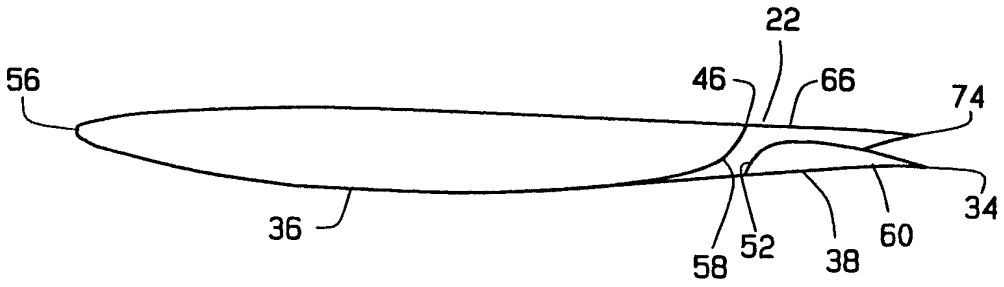

FIG. 8

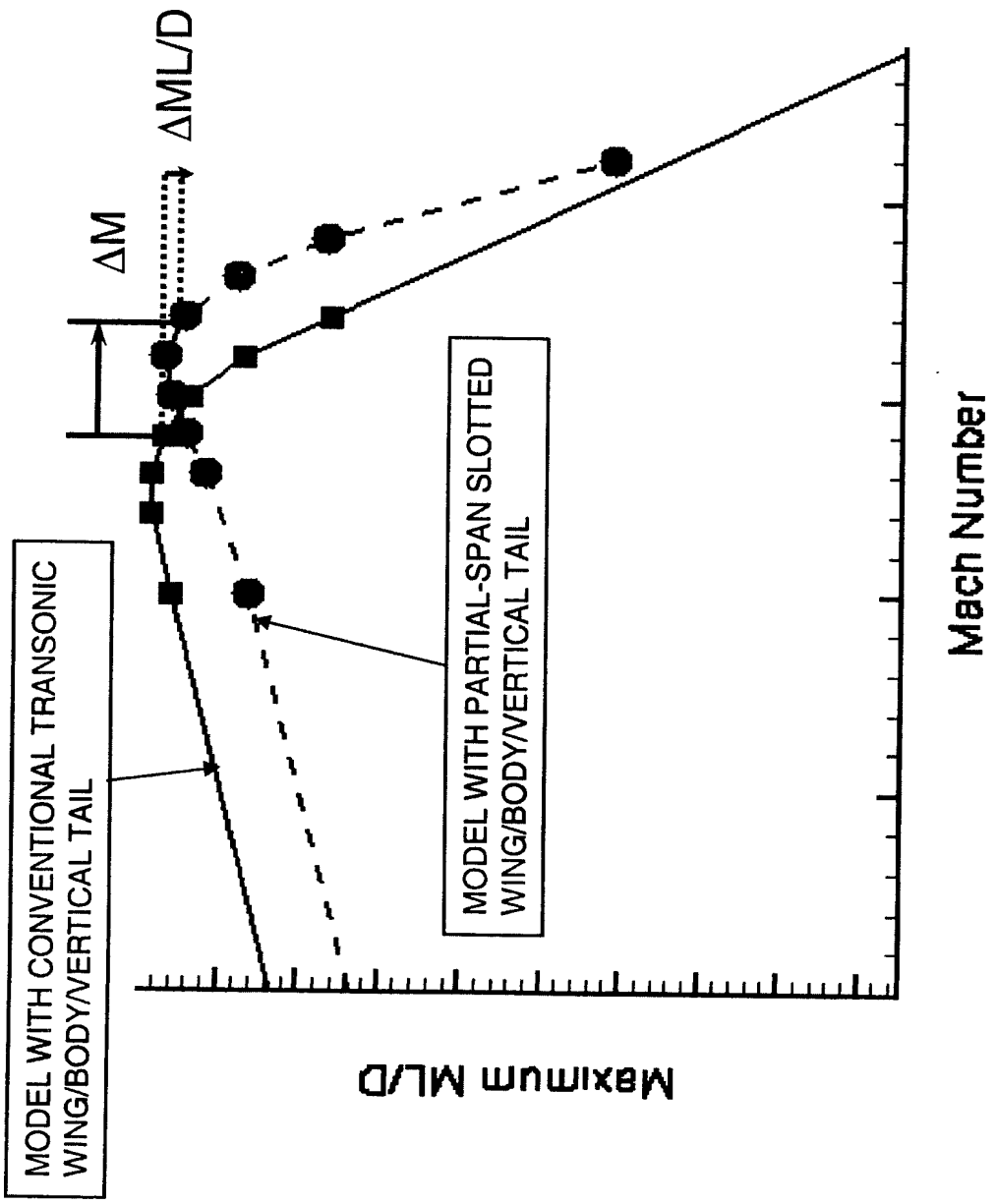
ΔML/D
ΔM
MODEL WITH CONVENTIONAL TRANSONIC WING/BODY/VERTICAL TAIL
MODEL WITH PARTIAL-SPAN SLOTTED WING/BODY/VERTICAL TAIL
Maximum L/D
Mach Number

FIG. 9

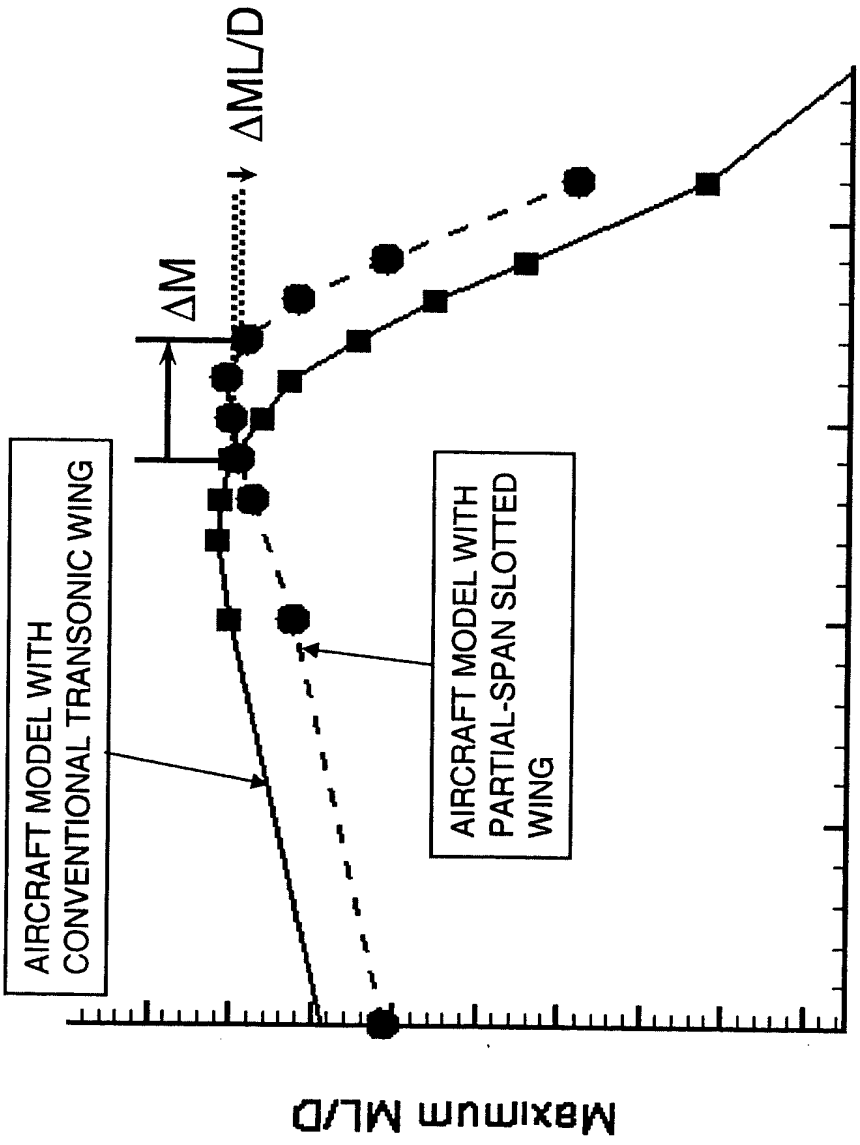
ΔML/D
ΔM
AIRCRAFT MODEL WITH CONVENTIONAL TRANSONIC WING
AIRCRAFT MODEL WITH PARTIAL-SPAN SLOTTED WING
Maximum ML/D
Mach Number

FIG. 10

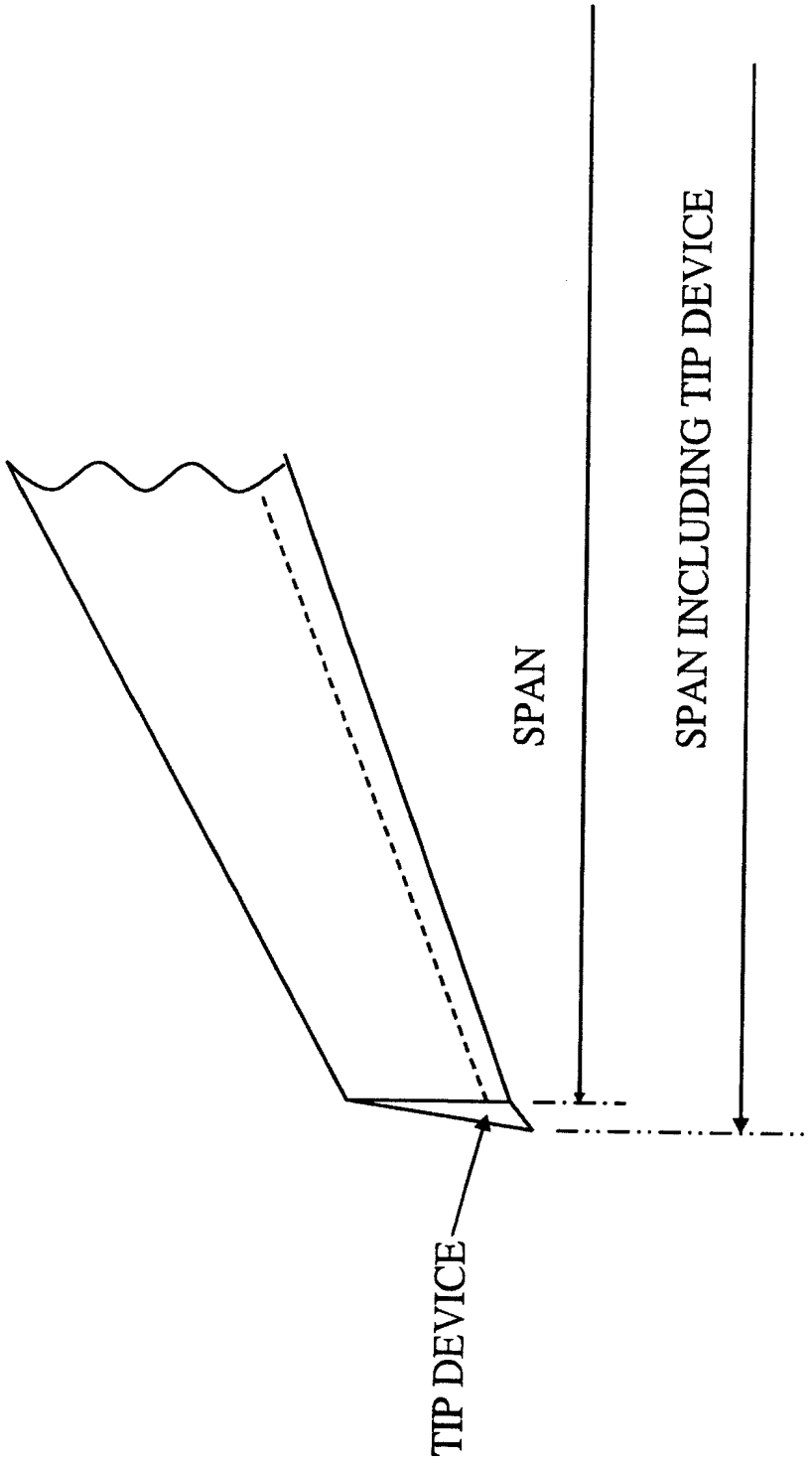

FIG. 11

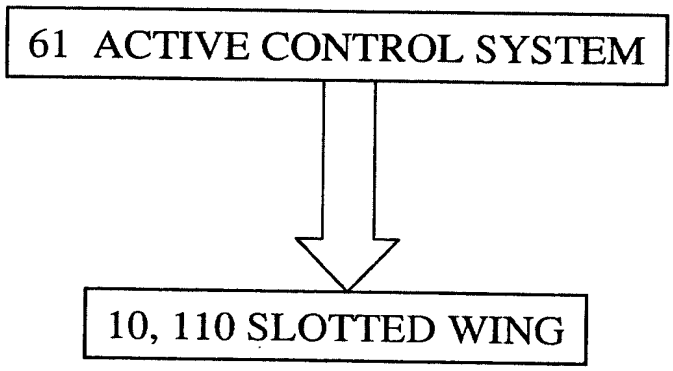

FIG. 12

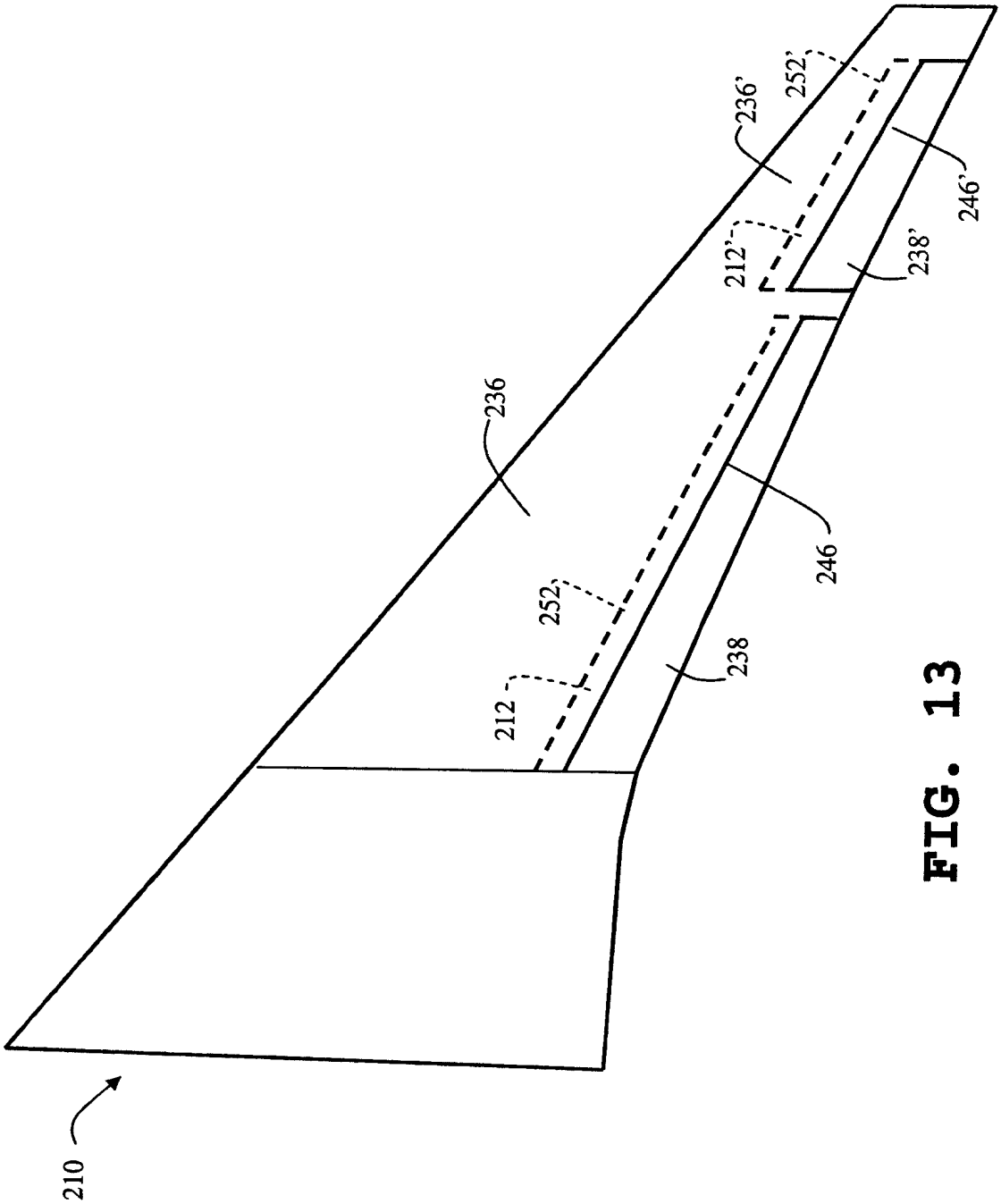

FIG. 13

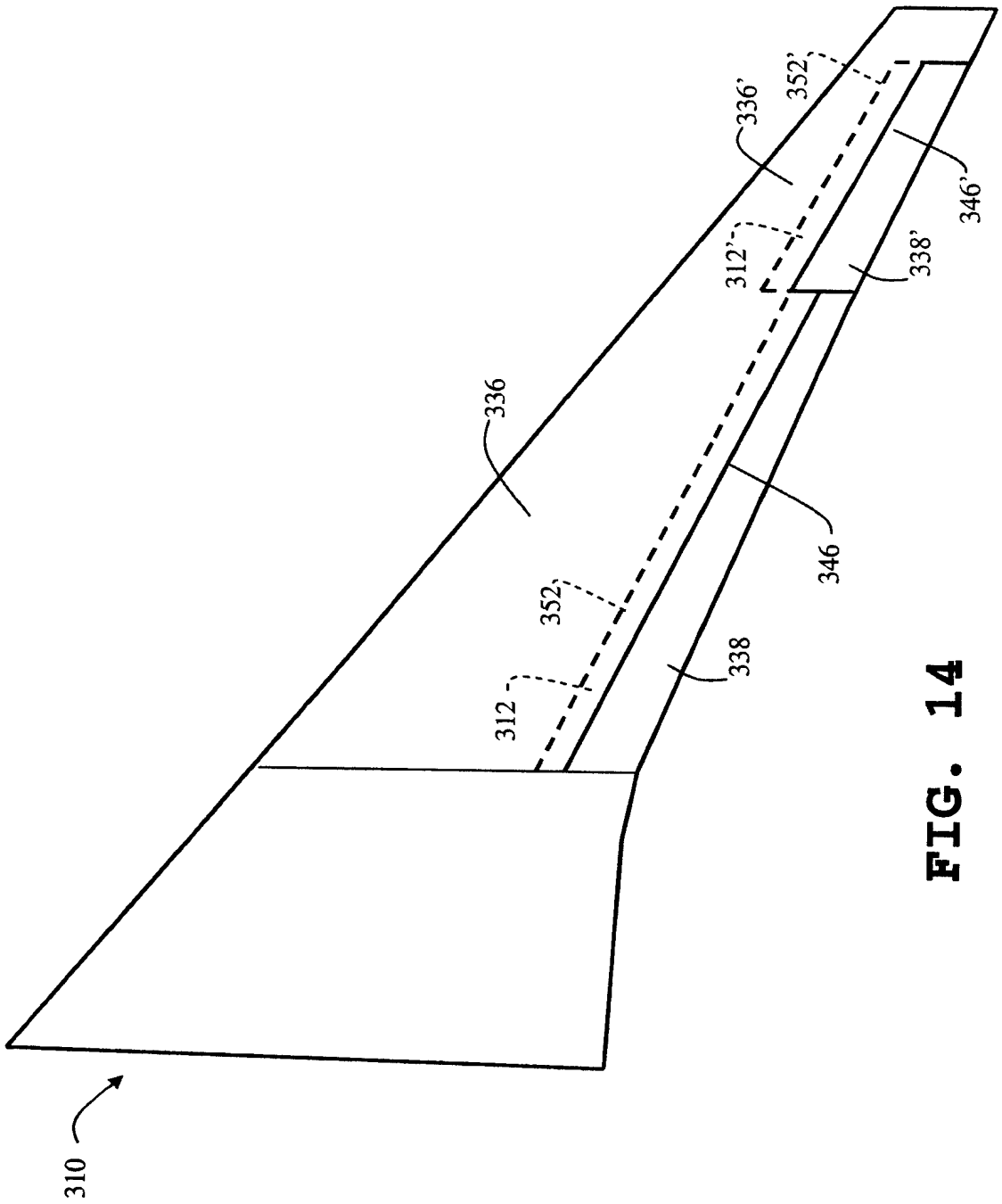

FIG. 14

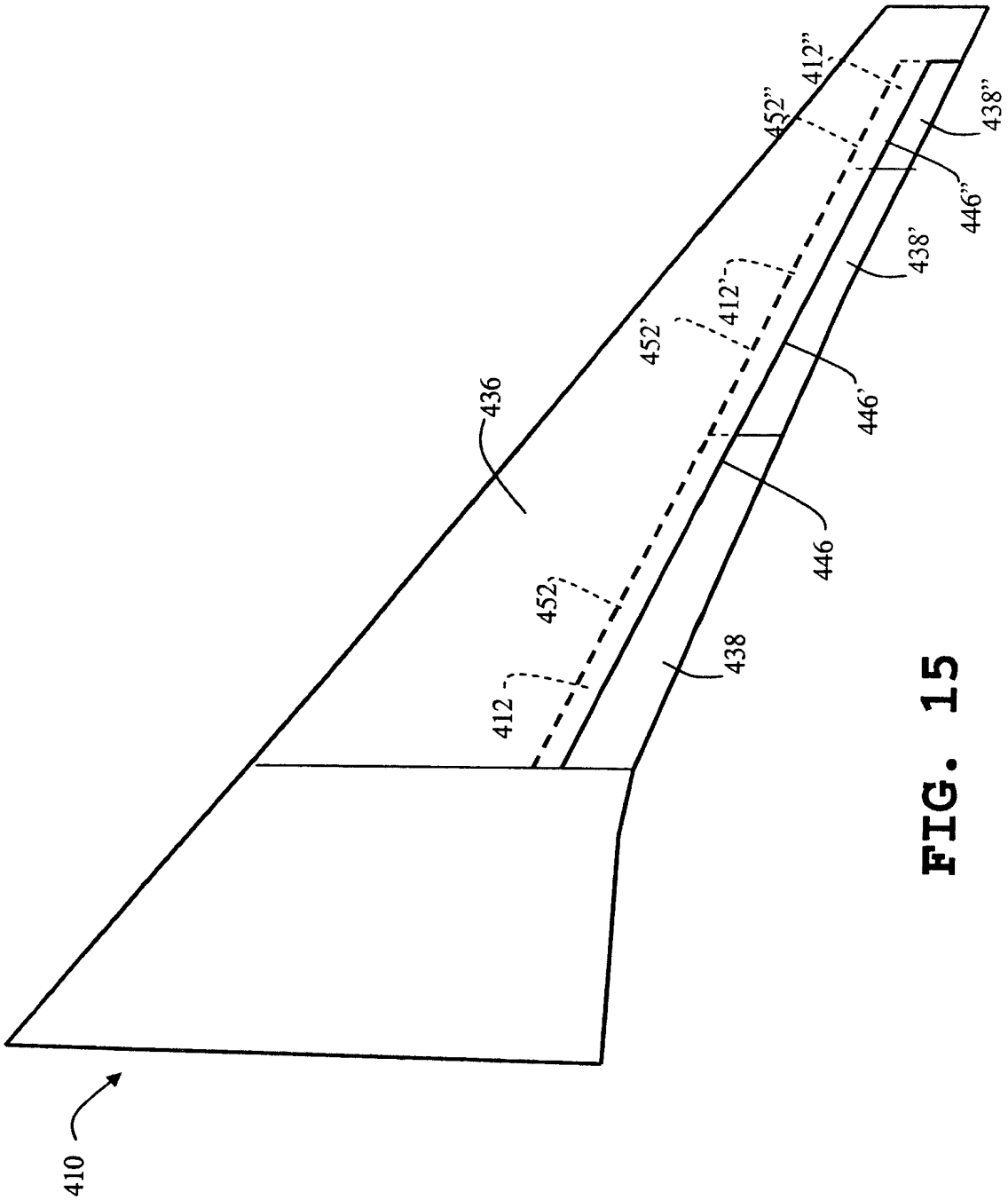

FIG. 15

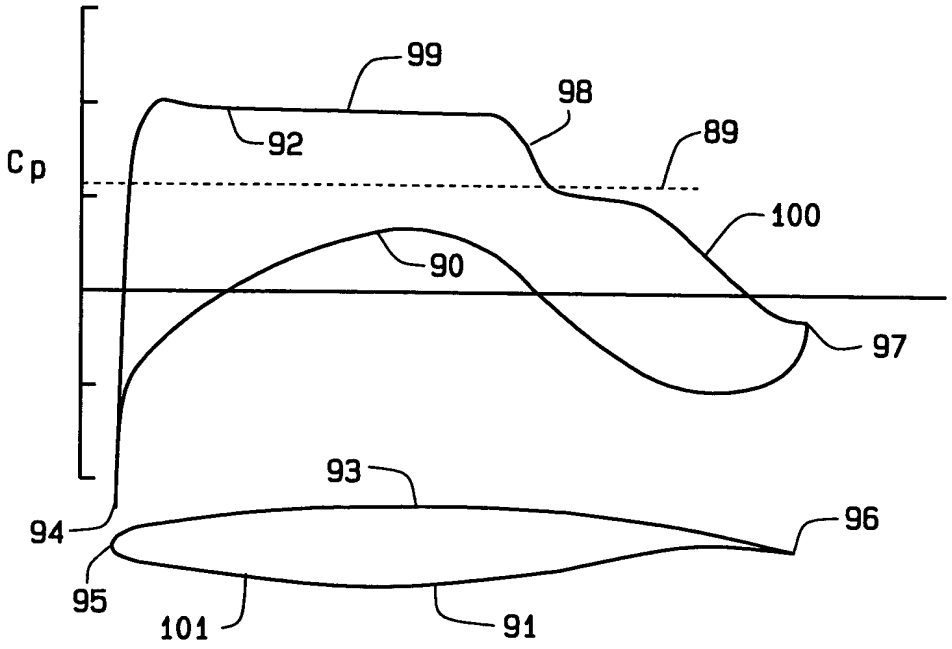

FIG. 16A

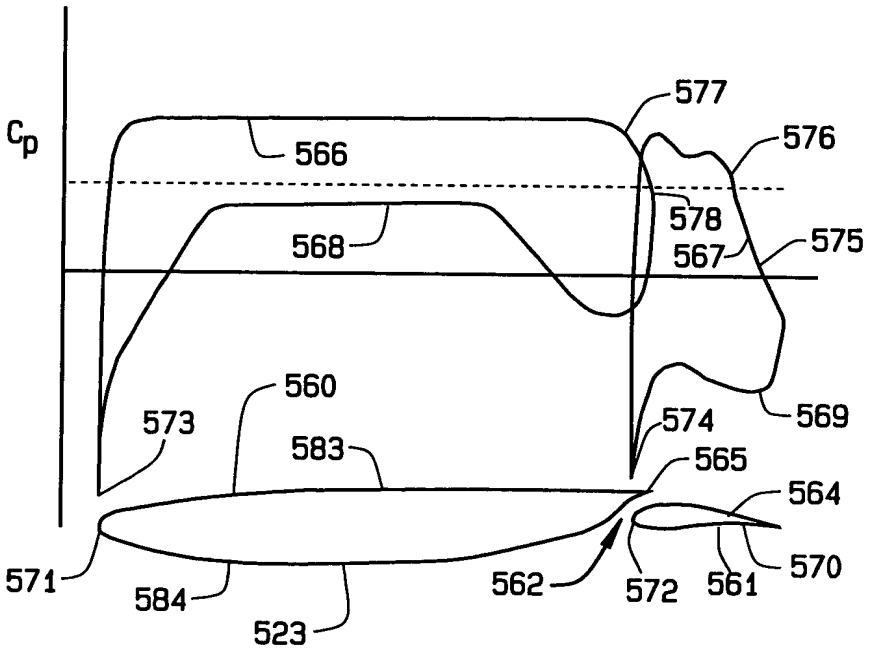

FIG. 16B

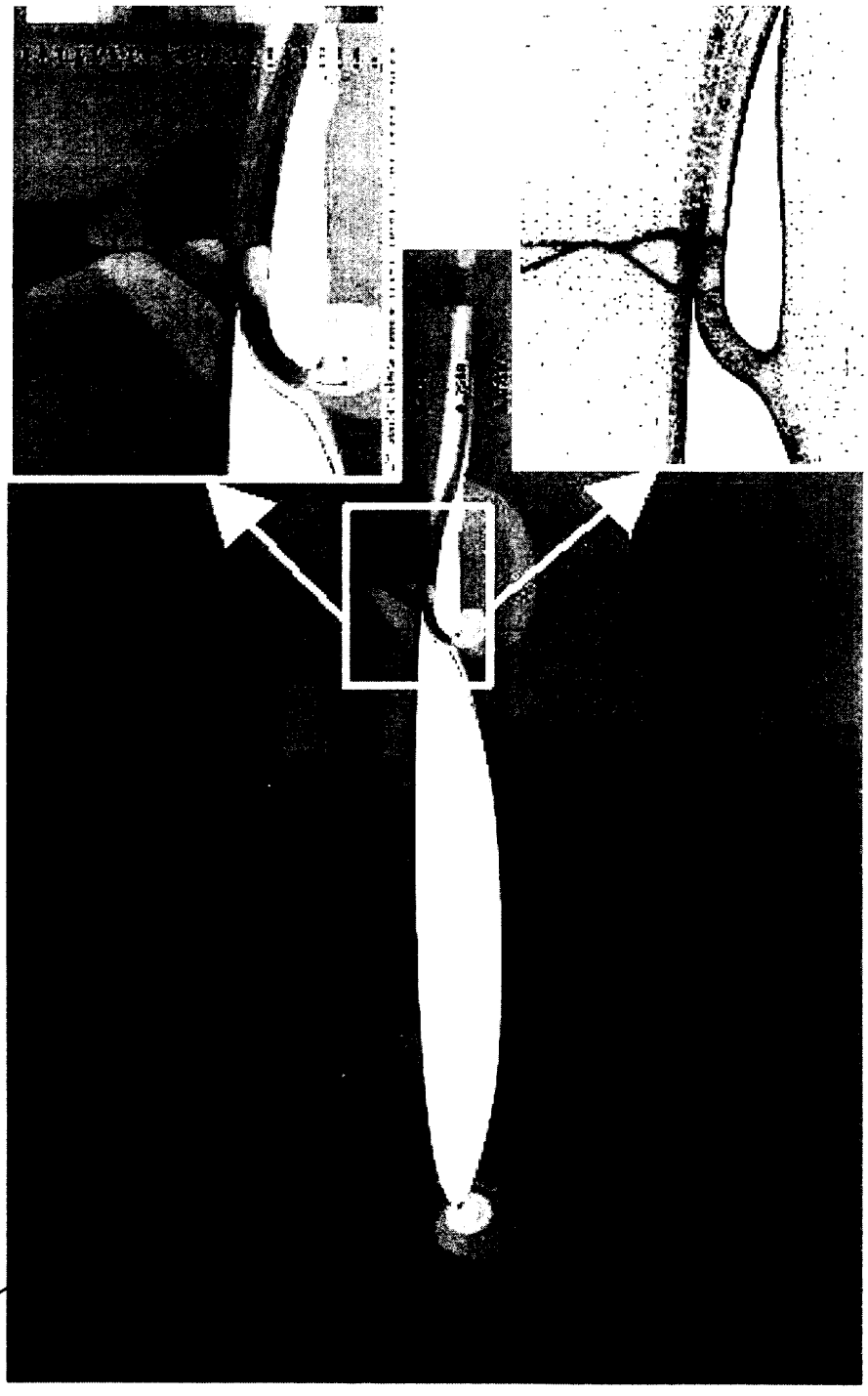

FIG. 17

FIG. 18B

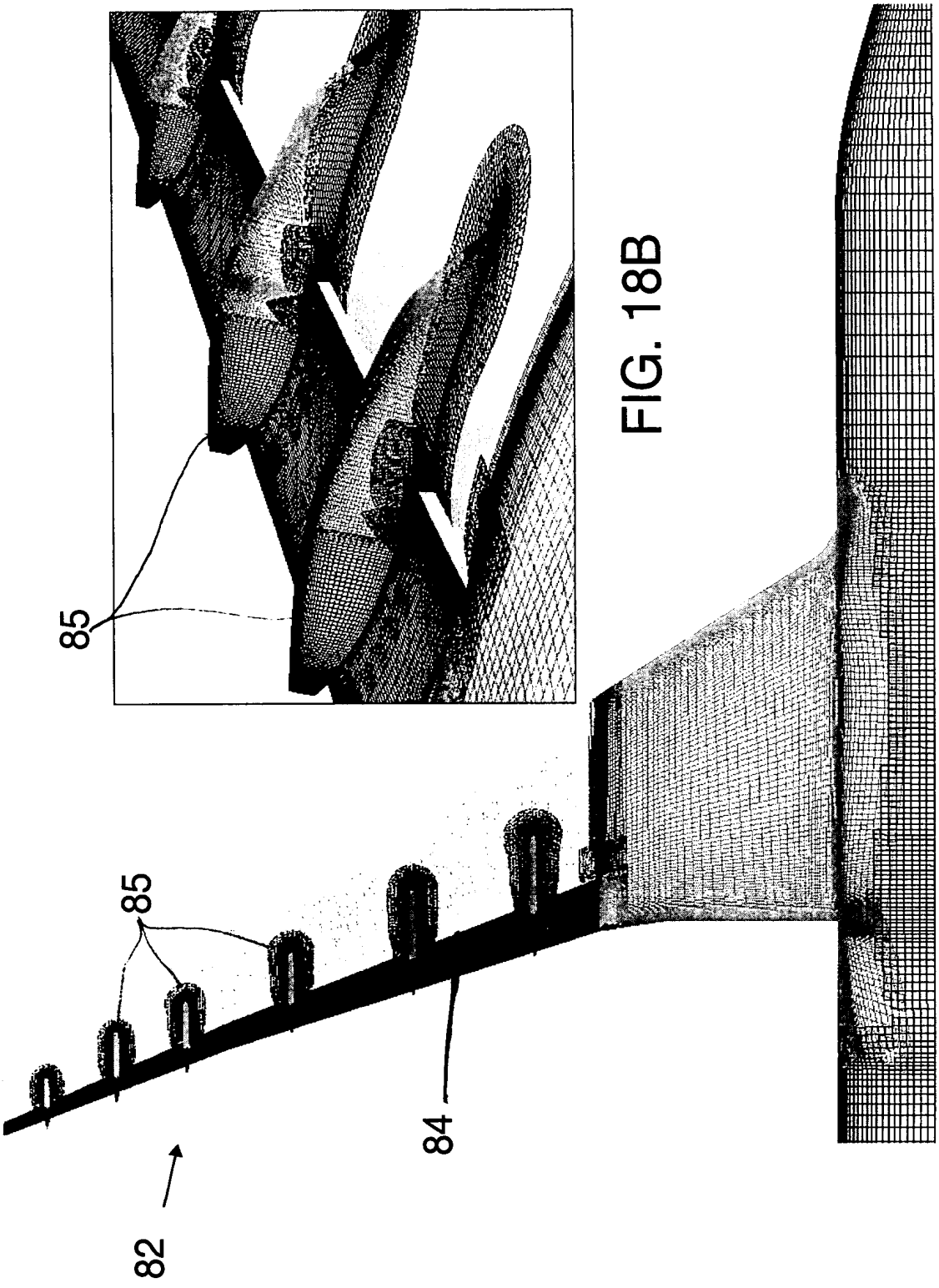

FIG. 18A

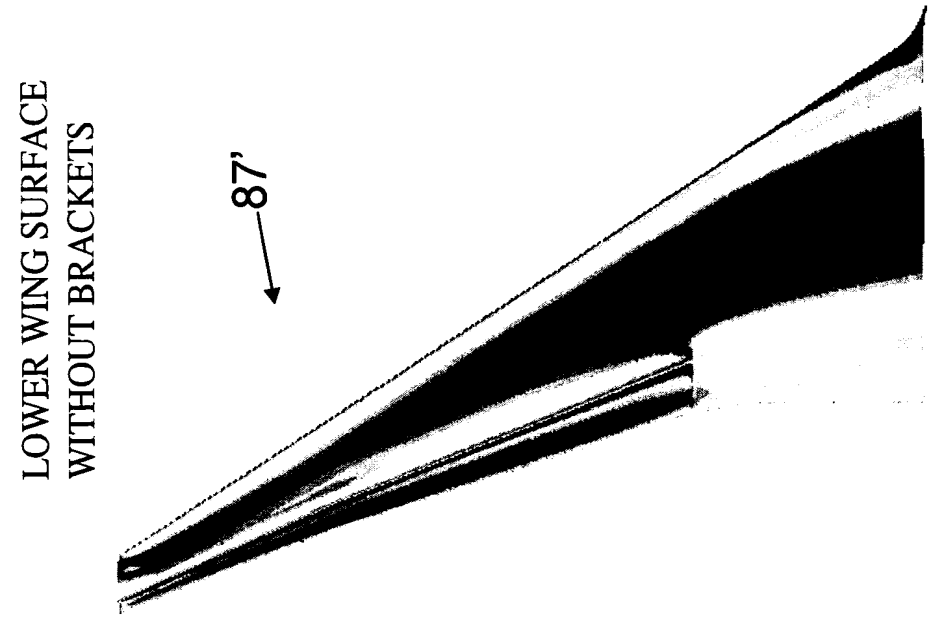

FIG. 19B

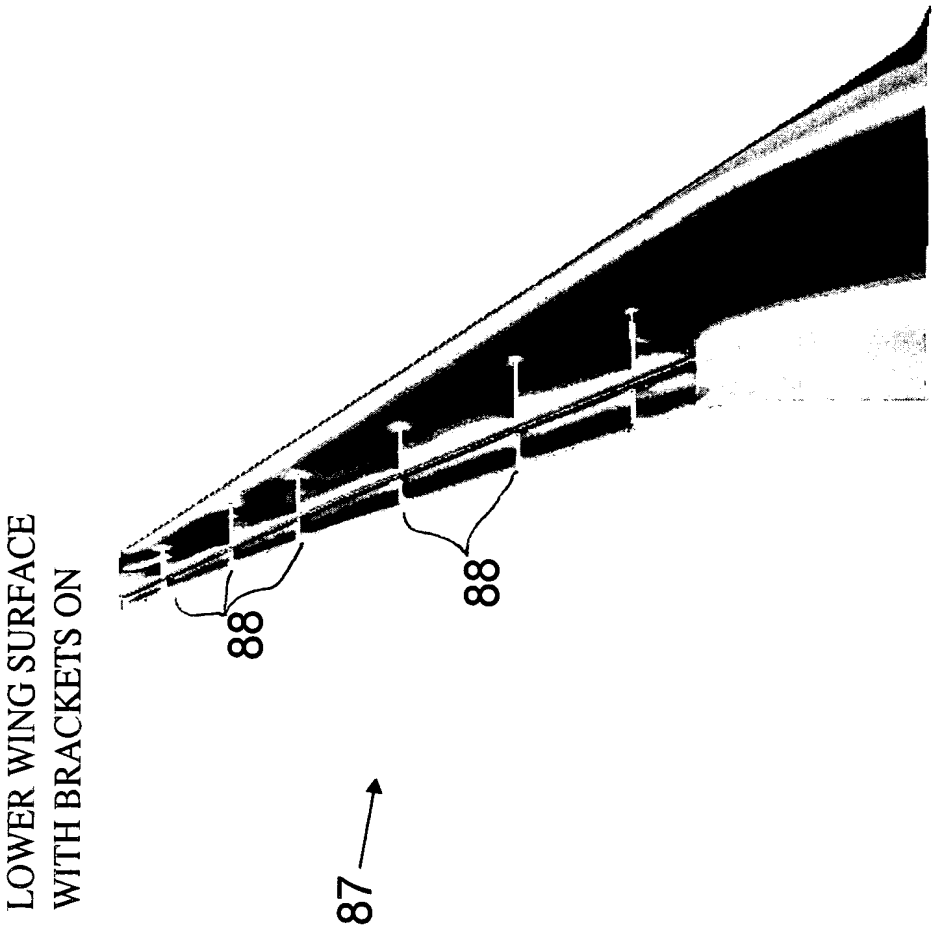

FIG. 19A

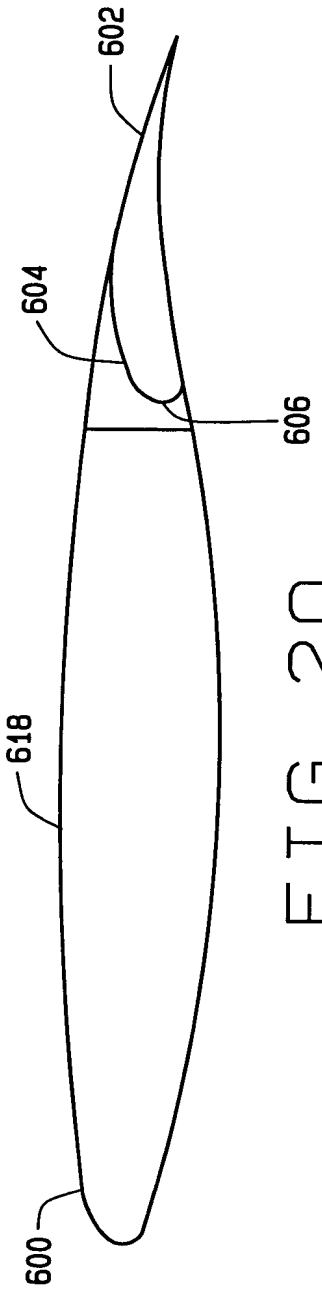

FIG. 20

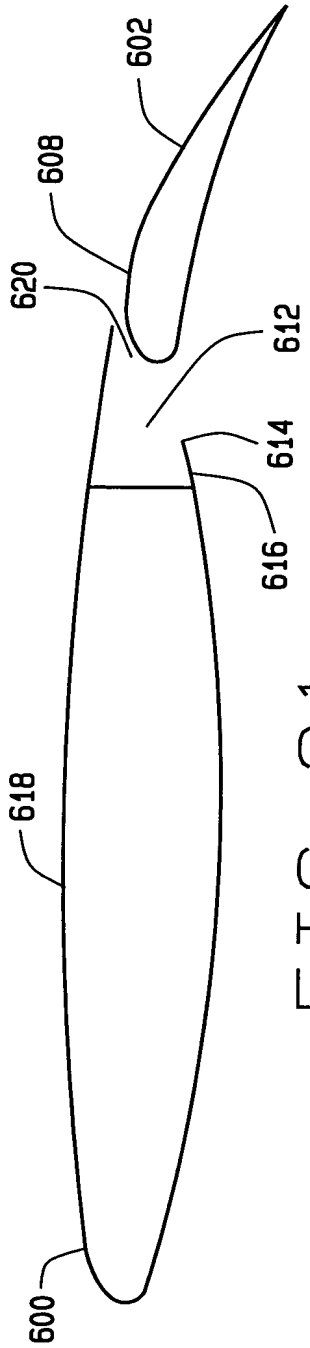

FIG. 21

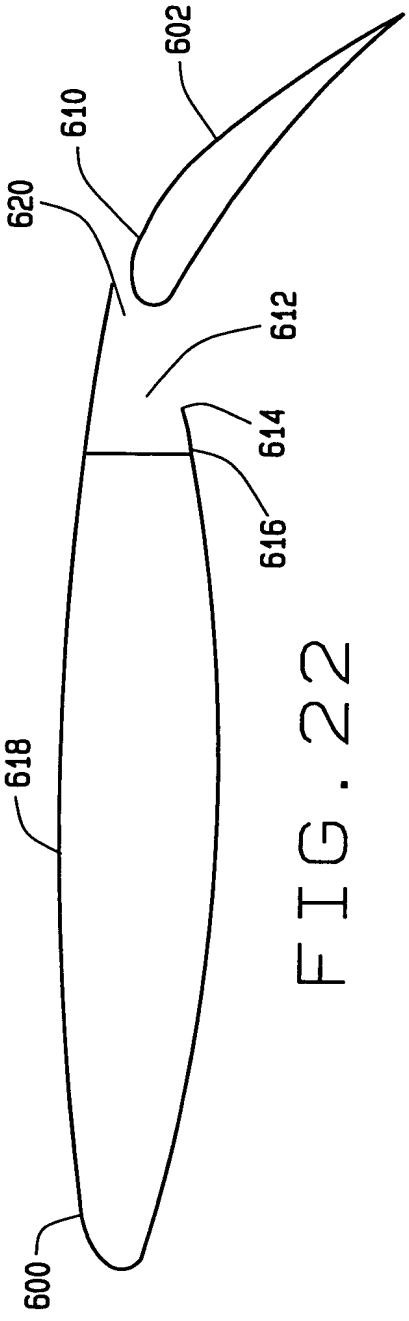

FIG. 22